AVIDHIFI

INSTRUCTION MANUAL

PULSUS PHONO PRE-AMPLIFIER

Extended 5-Year Warranty

AVID is pleased to extend the normal warranty duration to 5-Years from the date of original shipping. This warranty is transferable in the unlikely event that you would sell this unit onto another party. Register your product at;

www.avidhifi.co.uk/register.htm

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<TAKE CARE AND READ THIS MANUAL>

INTRODUCTION

Avid has long been recognised as a leading force in engineering British high-end turntables. What might surprise some though, is the technology and engineering involved in our Power supplies alone, surpasses that inside most amplifiers.

Avid applied their engineering ability to design a phono-amplifier called the Pulsare, capable of realising the full potential of not only their own, but all the current breed of world-class turntables.

Through further development and our 'trickle down' design policy we developed the Pulsus.

Designed, manufactured and tested entirely within our Huntingdon facility, the Pulsus components, PCBs and casework have all been optimised to create a product with the performance, longevity and flexibility to provide a lifetime of service to the most discerning audiophiles.

We hope that you enjoy this product for many years!

WARNINGS

1. Do not expose either the power supply or phono unit to rain or moisture.
2. All components, even the wiring loom inside, have been specifically optimised for the best quality reproduction. Tampering will invalidate any warranty.
3. The Power Supply contains voltages, which can cause serious injury or death and there are no user serviceable parts and there is no reason to open it. In situations of failure return to an approved dealer or service agent or contact Avid directly.
4. The Pulsus has a possible high output voltage and may overload pre-amplifiers if the wrong gain setting is selected. Please check product manuals or your dealer for advise.
5. Ensure the power supply is switched off before connecting the Power Umbilical Cable.

PACKAGING

Save all the packing in a dry place away from fire hazard. The Pulsare is a precision instrument and the packaging has been especially designed so that all component parts are safe during transportation. You should not have occasion to return your unit to us, but if you need to, the unit must be shipped in its original packaging to keep it from damage.

PARTS CHECKLIST

Instruction Manual	1	Pulsus Phono Stage	1	Power Cord	1
		Pulsus Power Supply	1		

SERVICING

Because of the careful design of this product, general servicing is not required.

CLEANING

To maintain the visual appearance, occasionally dust the surfaces with a normal duster - no need for any sprays or polishes. Never use cleaners containing abrasives, as this will damage the surface.

Controls and Connections

PHONO UNDERSIDE

Controls

- GAIN LEVEL *(MM – MC (low) – MC (high)*
- RESISTANCE *(100R-300R-500R-1K-5K-10K-47K)*
- CAPACITANCE *(100pF-200pF-500pF)*

REAR PANEL

Connections and Controls

PHONO

- INPUT RCA L/R
- EARTH POST
- POWER INPUT
- OUTPUT RCA L/R

PSU

- POWER OUTPUT
- MAINS IEC INPUT

User Notes

The Pulsus phono stage has optimized internal circuitry designed to minimize hum and noise while maximizing the signal headroom.

The phono stage has an unbalanced input RCA connector that will work with all types of turntable. Channel inputs are colour coded; right signal input is coded in RED, left signal in WHITE.

Pulsus allows the user to optimize the phono stage to the many different cartridges available. This is achieved using the switches easily accessible on the underside of the main Pulsus phono unit. The switches are configured in left and right channel and should both have the same settings.

The smaller switch selects between the three different gain options. For a normal high output moving magnet cartridge the switches should all set to “OFF”. When using moving coil cartridges the switch position will depend on the cartridge output voltage and the preamp it is used with. Some experimentation will be needed to give the best results. As a general rule the MC (high) setting is for cartridges with outputs from 100 to 500uV and MC (low) setting for 500uV to 3mV.

The larger switches adjust the input resistance and capacitance that the cartridge sees as a load. Most cartridge manufacturers give a recommended loading for their product. The loadings can be experimented with to achieve the desired sound. No harm can come to the Cartridge or phono stage by deviating from the manufacturers recommended settings.

The phono stage has an unbalanced output RCA connector suitable for connection to your amplifier.

Warranty Statement

UK Residents

AVID HIFI Limited products are warranted against defects in materials and workmanship for a period of two years from the original date of purchase, or no later than three years from the date of shipment to an authorized AVID agent, which ever comes first, extending to five years subject to the product owner having submitted the Registration form (*www.avidhifi.co.uk/register.htm*).
Also the following conditions being observed.

- The product must have been purchased through an authorized AVID dealer
- This warranty is in favour of the original purchaser only, except where...
- Warranties are transferable to subsequent owners provided the new owner completes the product registration form. Warranty obligation is passed from dealer to manufacturer.
- During the warranty period, AVID will repair, or replace any defects in material or workmanship, without charge for parts or labour.
- Should product need to be returned a written description of the defect and a photocopy of the original purchase receipt must accompany it. Receipts must show the model, serial number, date of purchase, name and address of purchaser and authorized dealer and the price paid.
- Returned product must be packed in the original packing and returned to AVID or original dealer by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is void if the product has been used or handled other than in accordance with the instruction manual supplied, abused or misused, damage by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than AVID or an dealer with prior authorization.
- The warranty is void if the product serial number has been removed, altered or made illegible.
- The warranty is void if the product has been taken out of the country of purchase.
- AVID shall not be held liable for incidental or consequential damages of any kind arising from the sale or use of its products.
- The warranty applies to ex-demonstration product, using manufacture date as purchase date.
- Where the product is sold under a consumer transaction (as defined by the Sale of Goods Act 1979) the statutory rights of the purchaser are not affected by this warranty.
- Products are sold on the basis of specifications applicable at the time of sale. AVID shall have no obligation to modify or to update products once sold.

Outside UK

- AVID has formal distribution in many countries throughout the world. In each country the AVID importer has contractually accepted the responsibility for the product warranty. Warranty should normally be obtained from the importing agent or distributor from whom you obtained your product. In the unlikely event of service required beyond the capability of the importer, AVID will, of course, back up the warranty.
- Where product has been either supplied directly or there is no current distributor, AVID accepts responsibility for the warranty period.
- Returned product must be packed in the original packing and returned to AVID by the customer at his/her expense. AVID will pay return freight of its choice.
- The warranty is only valid in the country of purchase.
- Products outside there original destination requires that units with remaining warranty be returned to the country of purchase for the warranty to be valid. Customer is responsible for freight both ways and all associated import and export charges.
- Foreign distributors are not required to provide warranty service, repair or change AC mains voltage on units that they did not originally import and sell.
- Foreign distributors may at their discretion offer service for a fee.

MISCELLANEOUS. ANY IMPLIED WARRANTIES RELATING TO THE ABOVE PRODUCT SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. THE WARRENTY DOES NOT EXTEND TO ANY INCIDENTAL OR CONSEQUENTIAL COSTS OR DAMAGES TO THE PURCHASER.

WARRANTOR. Inquiries regarding the Limited Warranty may be sent to the following address:
AVID HIFI Limited. Bicton Industrial Park, Kimbolton, Huntingdon. PE28 0LW ENGLAND

SPECIFICATIONS

PULSARE PHONO STAGE

INPUT SELECTION		RCA (unbalanced)
OUTPUT OPTIONS		RCA (unbalanced)
GAIN		48dB – 60dB – 70dB
INPUT RESISTANCE		100R – 300R - 500R – 1K – 5K – 10K – 47K
INPUT CAPACITANCE		100pF – 200pF – 500pF
DISTORTION		Less than 0.001%
RIAA ACCURACY		± 0.5dB 5Hz – 70KHz *(Neumann HF correction)*
NOISE *(A weighted)*		MM –81dB MC –67dB *(high setting)*
MAXIMUM OUTPUT		18V RMS
MAXIMUM INPUT @1KHz	MM	120mV
	MC	4.8mV *(MC high)*
CHANNEL SEPARATION		< -85dB 5Hz – 20KHz
VOLTAGE INPUT		100-240vac 50/60Hz 10 watts max. (depending on region)
DIMENSIONS (phono)		12 x 22 x 7cm (wxdxh)
(psu)		12 x 22 x 7cm (wxdxh)
NET WEIGHT		Phono – 1.0Kg (2lb) PSU – 1.9Kg (4lb)
PACKAGING		300mm x 310mm x 125mm (wxdxh)
SHIPPING WEIGHT		3.0Kg (7lb)

AVID reserves the right to improve or change its products without notice at any time.

EC Declaration of Conformity 16 June 2010

We declare that our Pulsare phono-stage conforms to directives and harmonized international standards

EMC (89/36/EEC) Electromagnetic conformity

BS EN 60065: 1994 Safety requirements for mains operated electronic and related apparatus for household and similar use.

CENELEC HD21/22 Flexible cables and cords
EN 55020: 1988 Electromagnetic Immunity
EN 55013: 1990 Electromagnetic Emissions

C. Mas **Director** AVID HIFI Limited